



POWER heater

MODELS BFH3405



BFH3410



BFH3420

Read instructions before operating. Retain for future reference.

Instruction Leaflet



INFO-LINE

If after having read this leaflet, you have any questions or comments on your heater, call **1-800-788-5350** in North America.

MODEL BFH3420 SHOWN



HEATER SAFETY

PLEASE READ AND SAVE THESE IMPORTANT SAFEGUARDS.

IMPORTANT INSTRUCTIONS

When using electrical appliances, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. Read all instructions before using the appliance.
2. To avoid fire or shock hazard, plug the appliance directly into a 120V AC electrical outlet.
3. The heater is hot when in use. To avoid burns, DO NOT let bare skin touch hot surfaces. If provided, use handles when moving this heater. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains at least 3 ft (0.9 m) from the front of the heater and keep them away from the sides and rear.
4. DO NOT run cord under carpeting. DO NOT cover cord with throw rugs, runners, or the like. Arrange cord away from traffic area and where it will not be tripped over.
5. This heater is not intended for use in bathrooms, laundry areas and similar indoor location. NEVER locate heater where it may fall into a bathtub or other water container.
6. Extreme caution is necessary when any heater is used by, or near, children or disabled persons, and whenever the heater is left operating and unattended.
7. DO NOT insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the heater.
8. DO NOT operate heater with a damaged cord or plug, or after the heater malfunctions, has been dropped or damaged in any manner. Return appliance to manufacturer for examination, electrical or mechanical adjustment, or repair.
9. A heater has hot and arcing, or sparking, parts inside. DO NOT use it in areas where gasoline, paint, or flammable liquids are used or stored.
10. Use appliance only for intended household use as described in this manual. Any other use not

recommended by the manufacturer may cause fire, electric shock, or injury to persons. The use of attachments not recommended or sold by Bionaire® may cause hazards.

11. DO NOT use outdoors.
12. To prevent a possible fire, DO NOT block air intakes or exhaust in any manner. DO NOT use on soft surfaces, like a bed, where openings may become blocked.
13. To disconnect heater, set controls to OFF, then remove plug from outlet.
14. Avoid the use of an extension cord because the extension cord may overheat and cause a risk of fire. However, if you have to use an extension cord, the cord shall be No. 14 AWG minimum size and rated not less than 1875 watts.
15. Always unplug the heater when not in use.

PLEASE SAVE THESE INSTRUCTIONS.

CONSUMER SAFETY INFORMATION

THIS PRODUCT IS EQUIPPED WITH A POLARIZED AC (Alternating Current) PLUG (a plug having one blade wider than the other). This plug will fit into the power outlet only



one way. If the plug does not fit fully into the outlet, reverse the plug. If it still does not fit, contact qualified personnel to install the proper outlet.

DO NOT DEFEAT THE SAFETY PURPOSE OF THIS POLARIZED PLUG IN ANY WAY.

The length of the cord used on this product was selected to reduce the hazards of becoming tangled in, or tripping over a longer cord. If a longer cord is necessary an approved extension cord may be used. The electrical rating of the extension cord must be equal to or greater than the rating of the heater. Care must be taken to arrange the extension cord where it cannot be pulled

on by children or accidentally tripped over.

👉 **TIP:** Over time, dust may accumulate on the front grills. This can be removed by wiping the unit with a damp cloth. Always unplug unit and allow to cool prior to cleaning.

AUTO SHUT-OFF

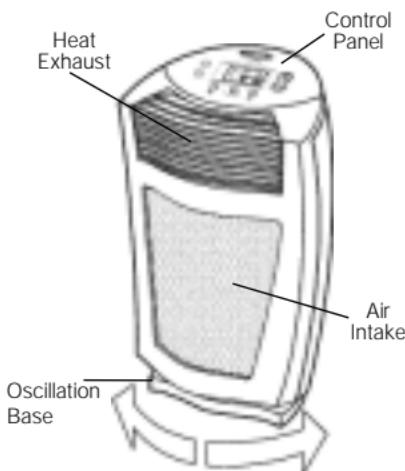
To prevent damage and risks due to overheating this unit is equipped with a built-in overheat protection device. It cuts off the power as soon as the heater's internal temperature becomes too hot. This patented, technologically advanced system requires the user to reset the heater if there is a potential overheat situation. It will only resume operation when the user resets it.

To Reset the Heater:

1. Unplug the heater and wait 10 minutes for the unit to cool down.
2. After the 10 minutes, plug the unit in again and operate normally.

PRE-OPERATING INSTRUCTIONS

Carefully unpack your heater from the box (it is recommended to save the box for off-season storage).



OPERATING INSTRUCTIONS

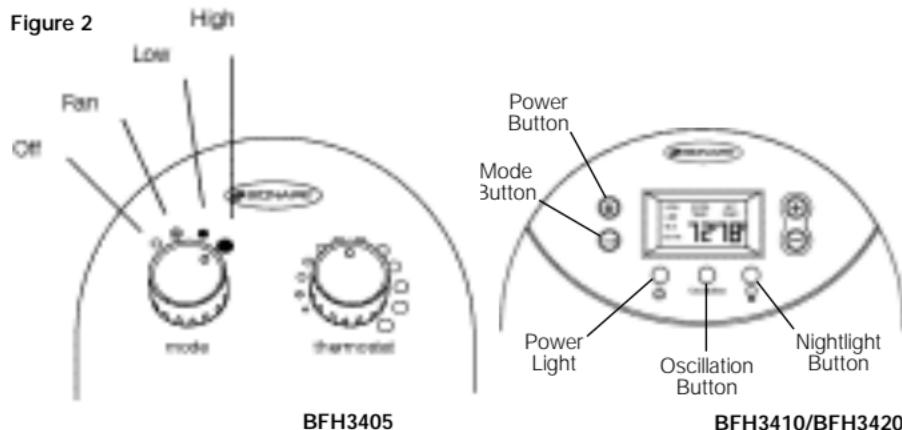
1. Place the unit on a firm level surface. Plug in the heater to a 120V power source.
2. To start the unit, press the POWER button or turn the mode knob located on the control panel. The POWER light will remain lit while the heater is in operation.

Figure 1
BFH3420 Shown

FOR HEATING OPERATION

On first use the heater will operate in fan mode. After initial use the heater will operate on the last programmed setting.

Figure 2



1. By pressing the MODE button (or turning the MODE knob for BFH3405), select FAN, LOW HIGH or AUTO (LOW for 750 Watts and HIGH for 1500 Watts).

THERMOSTAT INSTRUCTIONS

This function allows you to set the heater to your desired comfort level. The heater will maintain the desired room temperature.

For BFH3405:

1. Set the THERMOSTAT knob to the highest setting, clockwise as far as it will turn.
2. When the desired room temperature level is reached, lower the thermostat setting, by turning the THERMOSTAT knob counter clockwise until it clicks. The heater will now stop operating.
3. The thermostat will now automatically maintain the pre-set temperature level by turning the heater on and off. The thermostat is now set.

For BFH3410 and BFH3420:

1. To change the heater settings, press the MODE button. Each time you press the MODE button it will scroll to the settings FAN, LOW, HIGH, or AUTO.
2. Select the AUTO mode.
3. Set the heater to the desired room temperature by pressing the (+) or (-) buttons. The thermostat is now set.

Note that the degree range is from 60°F - 85°F (15°C - 29°C). if you scroll past 85°F (29°C) the display will automatically loop to 60°F (15°C).

NOTE: When the room temperature goes below the set temperature the heater will automatically turn off. The fan will continue to run, cooling the heater for 30 seconds. The unit will now operate when the room temperature falls below the preset temperature.

☞ **TIP:** It is normal for the heater to cycle ON and OFF as it maintains the present temperature. To prevent the unit from cycling, raise the thermostat setting.



OSCILLATION (For model BFH3420 only)

For maximum heat distribution use the oscillation function.

1. Press the Oscillation button on the control panel to begin 90° oscillation.
2. To stop the heater from oscillating, press the Oscillation button a second time; the unit will stop in that direction. To resume oscillation, press the Oscillation button again.



NIGHTLIGHT (For BFH3410 and BFH3420 only)

1. The nightlight will automatically light when the room becomes dark. When the room becomes light, the nightlight will automatically turn off.
2. To turn the nightlight off, press the button on the control panel.

☞ **TIP:** The nightlight will not automatically operate until the button is pressed again.

MAINTENANCE INSTRUCTIONS

During Season Care

Before cleaning make sure the unit is unplugged.

1. Allow the heater to cool before cleaning.
2. Carefully wipe the unit with a soft, damp cloth.

☞ **TIP:** Over time, dust may accumulate on the front grills. This can be removed by wiping the unit with a damp cloth. Always unplug unit and allow to cool prior to cleaning.

TROUBLESHOOTING

If your heater fails to operate:

- ✓ Make sure the electrical outlet or circuit breaker is working.
- ✓ Check for obstructions. If you find an obstruction turn the heater OFF, and follow the Reset Instructions in the manual. Carefully remove the obstruction.
- ✓ The thermostat might be set too low. Adjust the thermostat until the heater restarts.

Please DO NOT attempt to open or repair the heater. Please see the Warranty for Service Instructions.

Please be cautious near the heating elements.

After Season Care

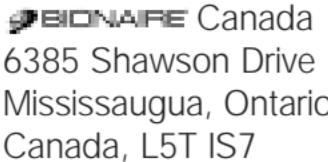
Store heater in a cool, dry location. Bionaire® recommends storing the unit in its original or appropriately sized box.

HEATER SERVICE INSTRUCTIONS

1. Do NOT attempt to repair or adjust any electrical or mechanical functions on this unit. Doing so will void the warranty. The inside of the unit contains no user serviceable parts. All servicing should be performed by qualified personnel only.
2. If you need to exchange the unit, please return it in its original carton, with a sales receipt, to the store where you purchased it. If you are returning the unit more than 30 days after the date of purchase, please see the enclosed warranty.
3. Should your heater require service, please call **1-800-788-5350** in North America for further assistance.
4. * If you have any other questions or comments, feel free to write to us:



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